IN THE CLAIMS:

1. **(currently amended) A laser projector comprising:**

laser apparatus for projecting a picture beam that includes visible laser light of wavelength equal to ~~about~~ six hundred thirty-five (635) nanometers or longer; and

a reflective liquid-crystal light valve for modulating the beam with a desired image.

2. **(currently amended) The projector of claim 1, wherein:**

light that appears red in the beam comprises substantially only said laser light of wavelength equal to ~~about~~ 635 nanometers or longer.

For the Examiner's convenience it is respectfully noted here that Applicant has proposed insertion of **claims 80 through 86** (presented in sequence below) **between claims 2 and 3.**

3. (currently amended) A laser projector comprising:

laser apparatus for projecting a picture beam that includes visible laser light of wavelength about six hundred thirty-five (635) nanometers or longer; and

a reflective liquid-crystal light valve for modulating the beam with a desired image; and wherein:

light that appears red in the beam comprises substantially only said laser light of wavelength about 635 nanometers or longer;

the laser apparatus comprises no solid-state lasers, but rather exclusively lasers of gas type; and

said apparatus projects a beam in which light that appears red is of wavelength between about 635 and 650 nanometers.

4. (currently amended) A laser projector comprising:

laser apparatus for projecting a picture beam that includes visible laser light of wavelength about six hundred thirty-five (635) nanometers or longer; and

a reflective liquid-crystal light valve for modulating the beam with a desired image; and wherein:

said apparatus projects a beam in which light that appears red is of wavelength substantially 647 nanometers.

5. (previously presented) The projector of claim 4, wherein:

the image is a m ving picture.

6. (currently amended) The projector f claim 1, further comprising:

further laser apparatus for projecting one or more beams that include green and blue laser light; and

wherein the laser light of wavelength equal to ~~about~~ 635 nanometers or longer mixes with the green and blue laser light to provide substantially pure neutral colors including pure white and pure black.

7. (currently amended) A laser projector comprising:

laser apparatus for projecting a picture beam that includes visible laser light of wavelength about six hundred thirty-five (635) nanometers or longer;

a reflective liquid-crystal light valve for modulating the beam with a desired image; and

further laser apparatus for projecting one or more beams that include green and blue laser light;

wherein [:] the laser light of wavelength about 635 nanometers or longer mixes with the green and blue laser light to provide substantially pure neutral colors including pure white and pure black; and

the further laser apparatus projects substantially cyan native laser light with the blue or green light, or both.

For the Examiner's convenience it is respectfully noted here that Applicant has proposed insertion of **claims 87 and 88** (presented in sequence below) **between claims 7 and 10.**

8. - 9. (canceled)

10. (original) The projector of claim 6, further comprising:

means for receiving high-bandwidth red, green and blue computer-monitor signals from a computer;

wherein the projector serves as a high-color-fidelity computer monitor.

11. (original) The projector of claim 6, wherein:

the liquid-crystal light valve is not controlled by light derived from traditional broadcast video signals.

12. (original) The project r of claim 11, wherein the liquid-crystal light valve is controlled by light or control signals applied to the valve by writing onto a control stage of the valve:

a vector, bitmap or other computer file scanned from an image or generated in a computer, or

amplitude-modulated laser-diode illumination swept two-dimensionally across the control stage, or

images from a small transmissive liquid-crystal display modulator, in turn written by signals not derived from traditional broadcast video signals, or

other entire frames without interlace, or

motion-picture film color separations, or

a still image from a slide or overhead-projection transparency, or a color separation made therefrom, or

a live image optically coupled, without electronic intermediary, to the control stage.

13. (canceled)

14. (original) The projector of claim 6, wherein:

the first-mentioned laser apparatus and the further laser apparatus, considered together, comprise one or more lasers; and

every laser in the first-mentioned laser apparatus and the further laser apparatus is exclusively a solid-state laser.

15. (original) The projector of claim 6, wherein:

the first-mentioned laser apparatus and the further laser apparatus, considered together, comprise one or more lasers; and

every laser in the first-mentioned laser apparatus and the further laser apparatus is exclusively a gas laser.

16. (currently amended) A laser projector comprising:

laser apparatus for projecting a picture beam that includes visible laser light of wavelength about six hundred thirty-five (635) nanometers or longer;

a reflective liquid-crystal light valve for modulating the beam with a desired image; and

further laser apparatus for projecting one or more picture beams that include green and blue laser light;

wherein [:] the proportions of light power of the about 635-nan meter or longer-wavelength laser light, the green laser light and the blue laser light are roughly eight t six to five (8:6:5).

17. - 65. (canceled)

66. (currently amended) A laser projection system for forming a sharp ~~an~~ image on an irregular projection medium having portions at distinctly differing distances from the projector; said system comprising:

laser apparatus for projecting a picture beam that includes laser light;

a liquid-crystal light valve for impressing a sharp ~~an~~ image onto the beam; and

means for projecting the beam from the light valve, with said impressed image being displayed sharply on substantially all such portions, at distinctly different distances, of ~~onto~~ such irregular projection medium as a show for an audience.

67. (previously presented) The system f claim 66, wherein:

the irregular projection medium comprises one or more projection media selected from the group consisting of:

an interior of a dome, or other building having internal surfaces that are not generally normal to a projection direction,
an exterior of a dome, sculpture, monument, or other structure having external surfaces that are not generally normal to a projection direction,
a waterfall,
a water fountain,
fog or a cloud,
ice,
a scrim in front of a curtain or screen,
a plurality of scrims in optical series,
one or more trees,
grass, vines or other foliage,
a hillside or other landscape, or other receding surface, and
an array of people or other animals or other discrete objects, or combinations thereof, at diverse distances from the projecting means; and

the projecting means display a protracted show on the one r m re projection media, for the audience.

68. (original) The system of claim 67, further comprising:
such irregular projection medium.

69. (original) The system of claim 66, further comprising:
such irregular projection medium.

70. - 72. (canceled)

73. (original) The system of claim 66, wherein:
the laser apparatus comprises one or more lasers; and
every laser in the laser apparatus is exclusively a solid-state laser.

74. - 79. (canceled)

For the Examiner's convenience it is respectfully noted here that the Applicant has proposed insertion of:

- **claims 80 through 86** (all seven of which claims are presented immediately below) **between claims 2 and 3**; and
- **claims 87 and 88** (also below) **between claims 7 and 10**.

80. (previously presented) The projector of claim 2, further comprising:

means for also incorporating blue and green laser light into the picture beam; and

separate, additional reflective liquid-crystal light valves for modulating the blue and green light respectively.

81. (currently amended) The projector of claim 2 ~~80~~, wherein:

said light valve also receives blue and green laser light for modulation, within the same light valve.

82. (previously presented) The projector of claim 2, further comprising:

means for scanning the beam across a face of the light valve during projection of each image, rather than flooding the entire face substantially simultaneously.

83. (previously presented) The projector of claim 82, further comprising:

means for also incorporating blue and green laser light into the picture beam; and

separate, additional reflective liquid-crystal light valves for modulating the blue and green light respectively.

84. (previously presented) The pr jector of claim 2, wherein:

said light valve also receives blue and green laser light for modulation, within the same light valve.

85. (previously presented) The projector of claim 82, wherein:

the laser apparatus comprises no solid-state lasers, but rather exclusively lasers of gas type.

86. (previously presented) The projector of claim 2, wherein:

the laser apparatus comprises no solid-state lasers, but rather exclusively lasers of gas type.

87. (previously presented) The projector of claim 6, further comprising:

means for also incorporating the blue and green laser light into said picture beam; and

separate, additional reflective liquid-crystal light valves for modulating the blue and green light respectively.

88. (previously presented) The projector of claim 6, wherein:

said light valve also receives the blue and green laser light for m dulation, within the same light valve.

89. (previ usly presented) The projector of claim 66:

wherein the laser apparatus projects red laser light in the picture beam; and

the light valve impresses red components of an image onto the red laser light; and

further comprising:

means for also incorporating blue and green laser light into the picture beam, and

separate, additional liquid-crystal light valves for respectively impressing blue and green components of the image onto the blue and green light.

90. (previously presented) The projector of claim 66, wherein:

said light valve receives laser light components of three respective colors and impresses corresponding color components of the image onto the three respective light components, respectively, all within the same light valve.

91. (previously presented) A laser pr jection system for forming an image on an irregular projection medium having portions at distinctly differing distances from the projector; said system comprising:

laser apparatus for projecting a picture beam that includes laser light;

a liquid-crystal light valve for impressing an image onto the beam; and

means for projecting the beam from the light valve, with said impressed image, onto such irregular projection medium to form a substantially sharp image on such medium at such distinctly differing distances.

92. (previously presented) The system of claim 91, wherein:

the irregular projection medium comprises one or more projection media selected from the group consisting of:

an interior of a dome, or other building having internal surfaces that are not generally normal to a projection direction,
an exterior of a dome, sculpture, monument, or other structure having external surfaces that are not generally normal to a projection direction,
a waterfall,
a water fountain,
fog or a cloud,
ice,
a scrim in front of a curtain or screen,
a plurality of scrims in optical series,
one or more trees,
grass, vines or other foliage,
a hillside or other landscape, or other receding surface, and
an array of people or other animals or other discrete objects, or combinations thereof, at diverse distances from the projecting means; and

the projection means form th substantially sharp image on substantially each element of the selected ne r more media.

93. (previously presented) A laser proj ctor comprising:

laser apparatus for projecting a picture beam that includes visible laser light of wavelength longer than 640 nanometers; and

a reflective liquid-crystal light valve for modulating the beam with a desired image.

94. (previously presented) The projector of claim 93, wherein:

said apparatus projects a beam of wavelength substantially 647 nanometers.

95. (previously presented) The projector of claim 93:

wherein the light valve impresses red components of an image onto the laser light of wavelength longer than 640 nanometers; and

further comprising:

means for also incorporating blue and green laser light into the picture beam, and

separate, additional liquid-crystal light valves for respectively impressing blue and green components of the image onto the blue and green light.

96. (previously presented) The projector of claim 93, wherein:

said light valve receives laser light components f three respective colors and impr sses c rresp nding color components f the imag onto the three respective light components, respectively, all within the same light valve.